



Metcalf & Eddy

An Air & Water Technologies Company

July 7, 1999

**Delivered via Facsimile and Certified Mail
Return Receipt Requested**

Mr. Sirtaj Ahmed, Remedial Project Coordinator
U.S. Environmental Protection Agency, Region 5
Office of Superfund, Remedial & Enforcement Response Branch
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

EPA Region 5 Records Ctr.



379527

Subject: Granville Solvents Site Removal Action Quarterly Report - July 1999

Dear Mr. Ahmed:

On behalf of the Granville Solvents Site PRP Group, Metcalf & Eddy of Ohio, Inc. respectfully submits the Quarterly Report for the Removal Action at the Granville Solvents Site. Copies have been sent to the following individuals:

Mr. Steve Acree, U.S. EPA
Mr. Mike Anastasio, U.S. EPA
Mr. Fred Myers, Ohio EPA
Mr. Joe Hickman, Manager, Village of Granville

If you have questions regarding this submittal, please contact Michael Raimonde or me at (614) 890-5501.

Respectfully,

METCALF & EDDY OF OHIO, INC.

Gerald R. Myers
Vice President/Project Coordinator

cc: B. Pfefferle, Chairman - GSS PRP Group
M. Raimonde, M&E

bcc: GSS-PRP Group Technical Committee
G. Binder, M&E
B. Chavez, M&E
B. Otani, M&E
File #016688

**GRANVILLE SOLVENTS SITE
REMOVAL ACTION QUARTERLY REPORT
FOR APRIL, MAY AND JUNE 1999**

JULY 1999

Pursuant to the requirement set forth in the Administrative Order by Consent (AOC, December 7, 1994) between the U.S. EPA and the Granville Solvents Site (GSS) Potentially Responsible Parties (PRP) Group, in Section 2.5-Reporting, and the letter, dated November 14, 1996, from Ms. Diane Spencer (U.S. EPA), this report constitutes the quarterly written progress report concerning actions undertaken pursuant to the AOC.

I. PROGRESS MADE DURING REPORTING PERIOD

Source Area Groundwater Control

The groundwater pumping and treatment system operated 692 hours in April, 744 hours in May, and 720 hours in June, for a total of 2,156 hours (98.7% of the total time available) during the second quarter of 1999. Since operation of the treatment system began in December 1994, the system has been operating over 98% of the available time.

During the second quarter of 1999, the treatment system processed approximately 9.8 million gallons of water in April, 10.9 million gallons of water in May and 10.9 million gallons of water in June, for a total of 31.6 million gallons of water for the second quarter of 1999. Since operation began in December 1994, the system has processed more than 582.1 million gallons of water.

In April, M&E disassembled and inspected the air-stripping unit of the treatment. Following inspection of the air-stripping unit, M&E re-assembled the unit, turned it on and let it run for one day, and then acid-washed the unit in accordance with the standard protocol. The unit was disassembled for a second time to observe the effectiveness of the acid washing, reassembled, and brought back on line.

In addition to the special activities discussed above, M&E continued to perform the scheduled monthly maintenance on the treatment system. This maintenance ensures the system is performing at maximum efficiency and decreases unscheduled downtime. This maintenance included replacing the bag filters, lubricating the transfer pump and blower motors, and maintaining the flow meters and level sensors. M&E performed acid washing of the treatment system on April 20, 1999, to remove a build-up of insoluble salts and precipitates and as part of the inspection activities outlined above. As a result of this washing, removal efficiency increased from 97.9% in March 1999 to 100% for April 1999. Removal efficiency decreased from 100% to 98.9% from April to May 1999 and from 98.9% to 98.6% from May to June 1999. The next scheduled acid washing is for July 1999.

Water samples were collected from the system's influent and effluent sampling ports on April 22, May 19 and June 14, 1999. The analytical results are presented in Table 1.

TABLE 1

VOCs	Influent April	Effluent April	Influent May	Effluent May	Influent June	Effluent June
1,1,1-trichloroethane	31.1 ug/l	ND	24.5 ug/l	0.16 ug/l	28 ug/l	0.26 ug/l
cis-1,2-dichloroethene	3.9 ug/l	ND	3.9 ug/l	ND	3.3 ug/l	ND
Tetrachloroethane	35.2 ug/l	ND	23.8 ug/l	0.19 ug/l	31.4 ug/l	0.37 ug/l
Trichloroethene	35.7 ug/l	ND	31.3 ug/l	0.57 ug/l	32.1 ug/l	0.69 ug/l
1,1-dichloroethane	0.39 ug/l	ND	0.35 ug/l	ND	0.37 ug/l	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND

Extraction well GSS-EW1 was operated at an average flow rate of approximately 146 gallons per minute (gpm) during the second quarter of 1999. The flow rate from GSS-EW2 averaged 98 gpm over the quarter. The total pumping rate has averaged 244 gpm for the second quarter of 1999.

The results of the sample analyses listed in Table 1 represent typical influent and effluent concentrations at the GSS, and M&E has recorded that approximately 31.6 million gallons of water were processed for the second quarter of 1999. Based on these data, total VOCs of approximately 0.36 lb/day in April, 0.32 lb/day in May, and 0.36 lb/day in June were discharged to the atmosphere during this reporting period.

Groundwater Monitoring Plan

Groundwater level measurements were collected on April 22, May 19 and June 14, 1999, as specified in the Groundwater Monitoring Plan and will be used to develop potentiometric surface maps. An annual sampling event for VOCs was conducted in May 1999.

Source Area Soils

A meeting was held on June 16, 1999, in Chicago, between representatives of the GSS-PRP Group and members of the U.S. EPA to discuss the status of the EE/CA. The U.S. EPA has forwarded comments regarding the EE/CA and modifications to the EE/CA are expected shortly. Further action on the source area soils is on hold pending finalization and approval of the EE/CA.

Active or Completed Tasks

The following specific tasks were completed during the reporting period:

- Collected water samples on April 22, May 19, and June 14, 1999, from the treatment system influent and effluent sampling ports.
- Collected water level measurements on April 22, May 19, and June 14, 1999.
- Disassembled, inspected and reassembled air stripper on April 19, 1999

- Acid-washed the air stripper on April 20, 1999.
- Disassembled, inspected and reassembled the air stripper on April 21, 1999.
- Annual groundwater sampling was conducted in May 1999.
- Collected airflow data in May and June 1999.

II. DELIVERABLES (THIS PERIOD AND NEXT PERIOD)

CURRENT PERIOD:

<u>Deliverable</u>	<u>Due Date</u>	<u>Delivered</u>
Quarterly Report	July 7, 1999	July 7, 1999

NEXT PERIOD:

<u>Deliverable</u>	<u>Due Date</u>	<u>Delivered</u>
Quarterly Report	October 7, 1999	

III. DIFFICULTIES ENCOUNTERED AND REMEDIAL ACTIONS TAKEN THIS PERIOD

There were no difficulties encountered during this quarter.

IV. ANTICIPATED ACTIVITIES DURING NEXT REPORTING PERIOD

During the next reporting period, M&E will perform the following tasks:

- Submit final EE/CA to U.S. EPA.
- Collect potentiometric surface data.
- Conduct annual sampling of the groundwater monitoring wells.
- Sample treatment system influent and effluent water.
- Perform scheduled maintenance of the treatment system.
- Install power conditioner for the programmable logic controller for the treatment system.
- Acid-wash the air stripper in July 1999.
- Continue monitoring of the airflow within the system.